



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Smith Mountain Impact Systems by Pande Pane
11305 N.W. 128 Street
Medley, FL 33178

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SMI-175" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-64**, titled "Series SMI-175 Aluminum Window Wall (L.M.I.)", sheets 1 through 8 of 8, dated 08/11/2003 with revision c dated 09/26/2005, prepared by Al-Farooq Corporation, DATED 06/08/2007, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **03-0925.01** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
10/24/07

NOA No. 07-0924.02
Expiration Date: November 21, 2012
Approval Date: November 15, 2007
Page 1

Smith Mountain Impact Systems by Pande Pane


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-64**, titled "Series SMI-175 Aluminum Window Wall (L.M.I.)", sheets 1 through 8 of 8, dated 08/11/2003 with revision c dated 09/26/2005, prepared by Al-Farooq Corporation, DATED 06/08/2007, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3721** dated 03/26/2003, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94 .
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3833** dated 08/05/2003, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3465** dated 7/17/2002, signed and sealed by James Worth, P.E.
(Submitted under NOA#03-0925.01)



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0924.02

Expiration Date: November 21, 2012

Approval Date: November 15, 2007

Smith Mountain Impact Systems by Pande Pane

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 06/08/2007, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

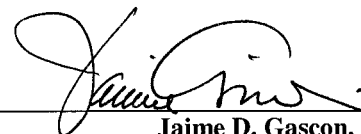
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their “**Saflex III G Clear or colored Interlayer**” dated 05/04/2006, expiring on 05/21/2011.
2. Notice of Acceptance No. **03-1117.05** issued to Surface Specialties, Inc. for their “**Uvekols – Liq. Resin to adhere Glass**” dated 01/29/2004, expiring on 02/08/2009.

F. STATEMENTS

1. Statement letter of conformance, no financial interest and independent, dated 04/26/2007, signed and sealed by Humayoun Farooq, P.E.
2. Laboratory compliance letter for Test Report no. FTL 02051, issued by Fenestration Testing Laboratory, Inc., dated 8/8/02, signed and sealed by James Worth, P.E.
(Submitted under NOA#03-0925.01)
3. Laboratory compliance letter for Test Report no. FTL 3721 issued by Fenestration Testing Laboratory, Inc., dated 4/15/03, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)
4. Laboratory compliance letter for Test Report no. FTL 3833 issued by Fenestration Testing Laboratory, Inc., dated 8/7/03, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)

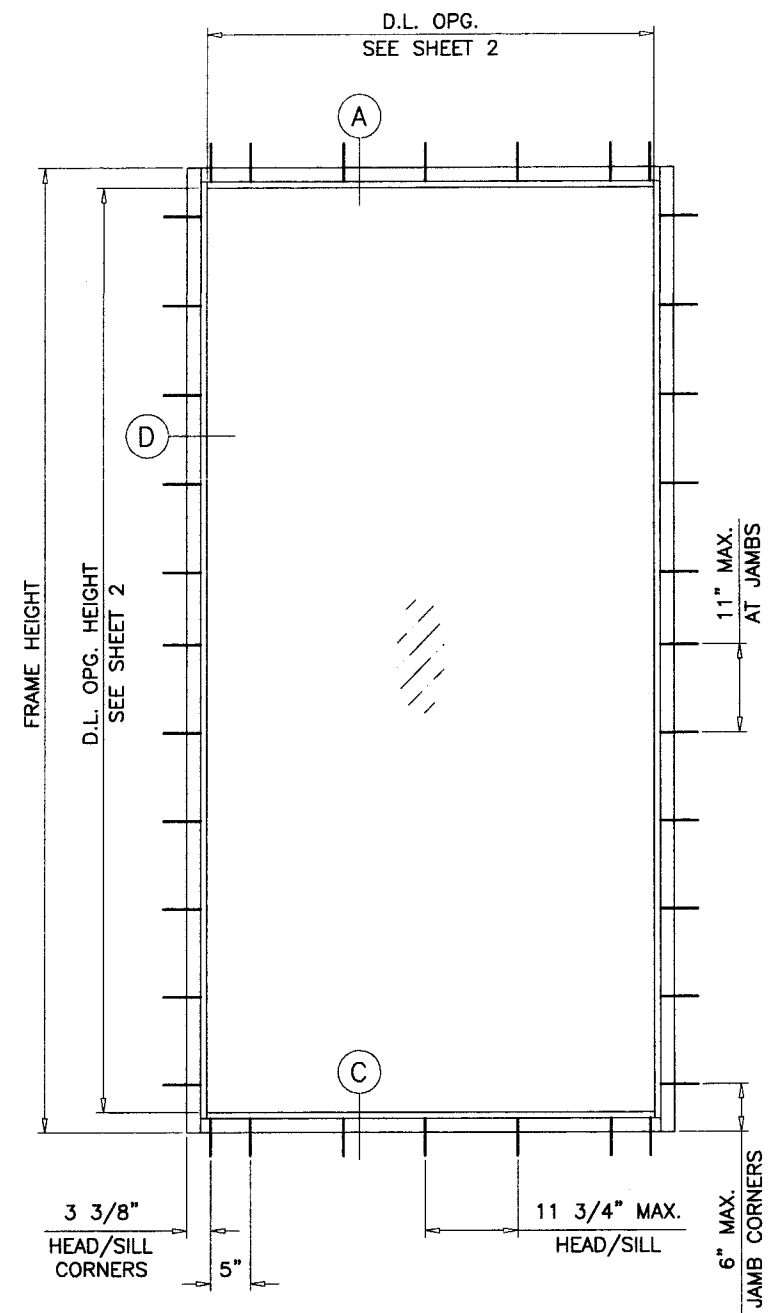
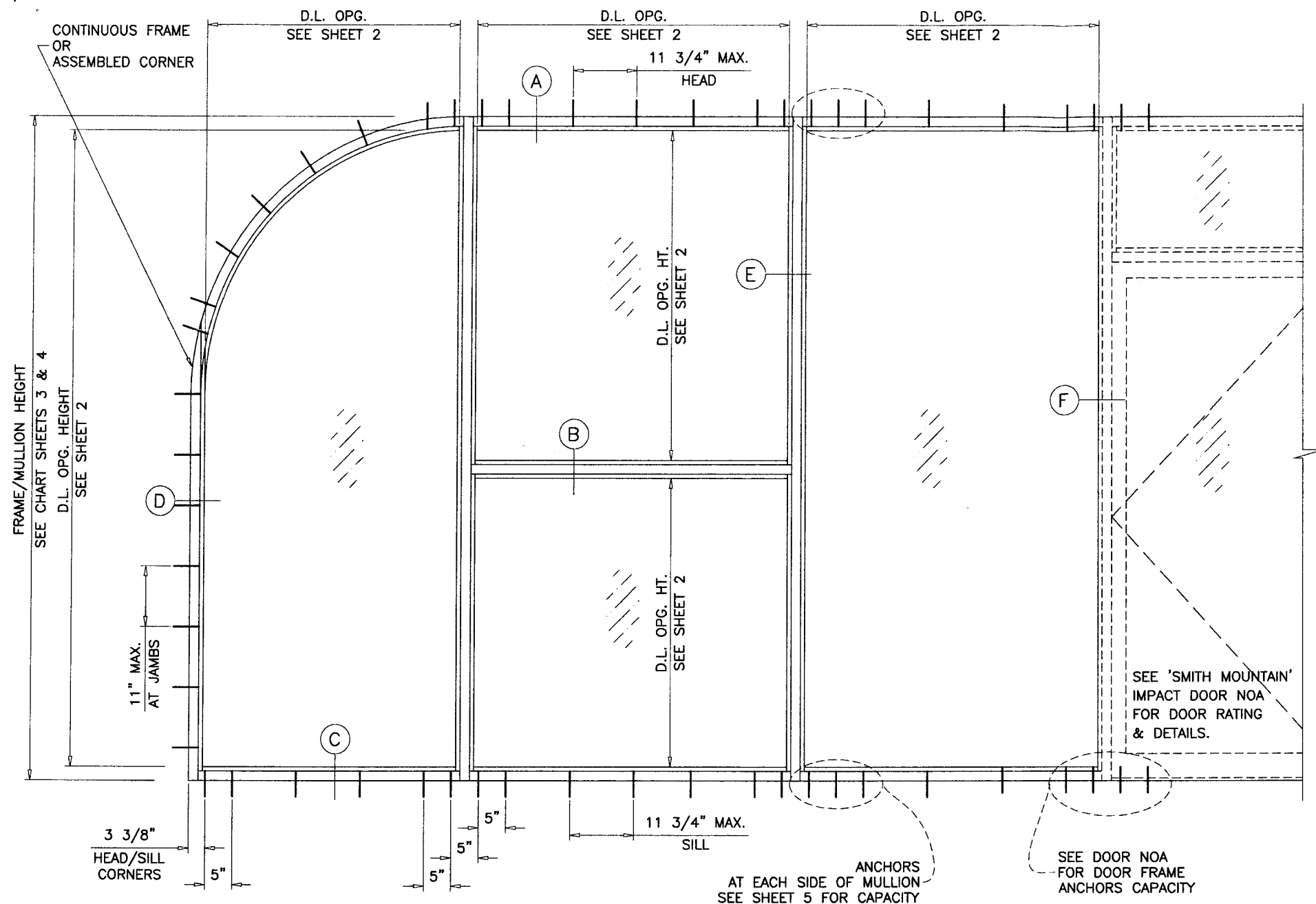
G. OTHER

1. Notice of Acceptance No. **03-0925.01**, issued to Smith Mountain Impact Systems by Pande Pane for their Series “SMI-175 Aluminum Window Wall (L.M.I.)”, approved on 12/04/2003 and expiring on 11/21/2007.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0924.02

Expiration Date: November 21, 2012
Approval Date: November 15, 2007



SERIES SMI-175 ALUM WINDOW WALL

STOREFRONT SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

TYPICAL ELEVATIONS

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 & 4 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

LAMINATED GLASS LARGE MISSILE IMPACT

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0924-02
Expiration Date 11/21/2012
By *[Signature]*
Miami Dade Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

COMP-ANL\W03-64SM

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)
SMITH MOUNTAIN IMPACT SYSTEMS
11305 N.W. 128 STREET
MEDLEY, FL. 33178
TEL (305) 888-6288 FAX (305) 888-6289

COMP-ANL\W03-64SM

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B	02.13.04	NOTES REV.
C	09.26.05	UPDATED FOR 2004 FBC

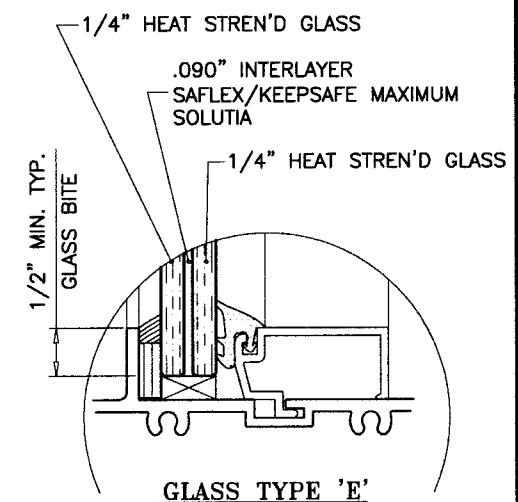
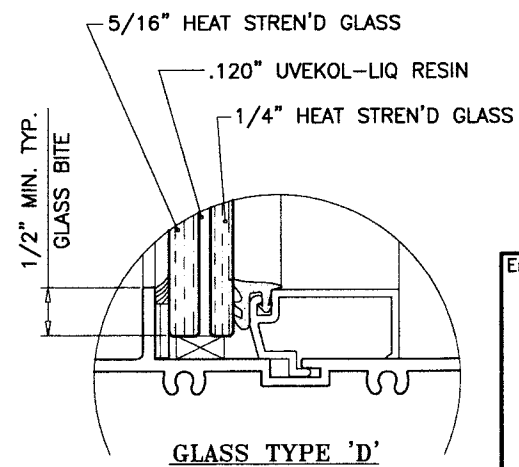
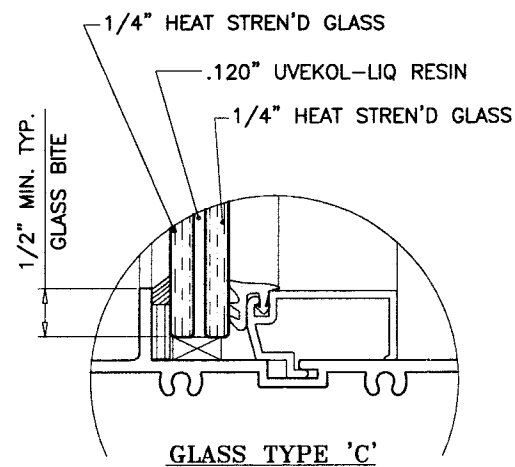
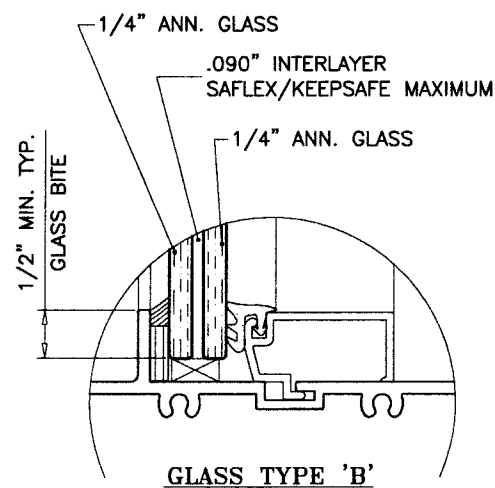
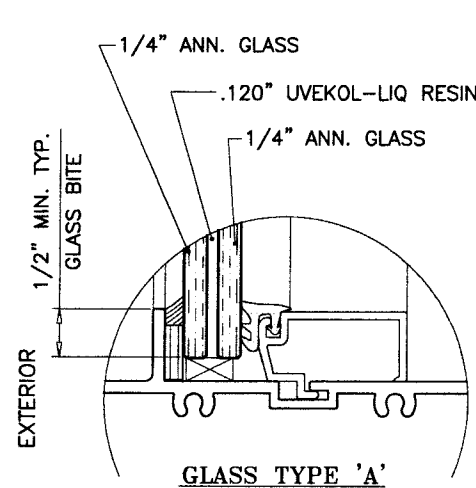
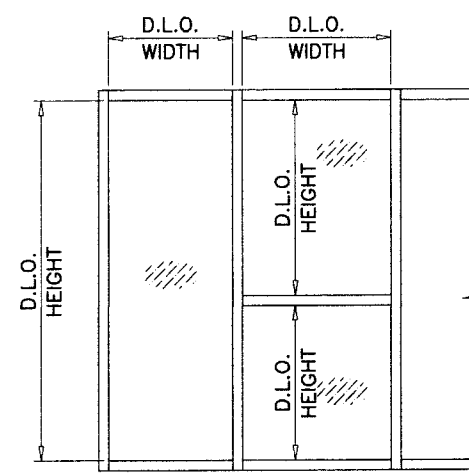
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dr. by: HAMID
chk. by:

drawing no.
W03-64
sheet 1 of 8

GLASS LOAD CAPACITY - PSF						
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)
20"	74"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	120.0	100.0	90.0
38"		63.0	63.0	108.9	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	90.0
56"		63.0	-	100.0	100.0	90.0
60"		63.0	-	100.0	100.0	-
66"		-	-	100.0	100.0	-
20"	80"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	120.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	90.0
56"		63.0	-	100.0	100.0	-
60"		-	-	100.0	100.0	-
66"		-	-	100.0	100.0	-
20"	86"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	120.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	-
56"		-	-	100.0	100.0	-
60"		-	-	100.0	100.0	-
66"		-	-	100.0	100.0	-
20"	92"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	63.0	110.8	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	90.0
50"		63.0	-	100.0	100.0	-
56"		-	-	100.0	100.0	-
60"		-	-	100.0	100.0	-
66"		-	-	100.0	100.0	-

GLASS LOAD CAPACITY - PSF						
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)	EXT.(+)&INT.(-)
20"	98"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	-
50"		-	-	100.0	100.0	-
56"		-	-	100.0	100.0	-
60"		-	-	100.0	100.0	-
66"		-	-	100.0	100.0	-
20"	104"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	90.0
44"		63.0	-	100.0	100.0	-
50"		-	-	100.0	100.0	-
56"		-	-	100.0	100.0	-
60"		-	-	100.0	100.0	-
20"	110"	63.0	63.0	120.0	100.0	90.0
26"		63.0	63.0	120.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	-
44"		-	-	100.0	100.0	-
50"		-	-	100.0	100.0	-
56"		-	-	100.0	100.0	-
60"		-	-	100.0	100.0	-
20"	116"	63.0	63.0	120.0	100.0	90.0
26"		63.0	-	100.0	100.0	90.0
32"		63.0	-	100.0	100.0	90.0
38"		63.0	-	100.0	100.0	-
44"		-	-	100.0	100.0	-
50"		-	-	100.0	100.0	-
56"		-	-	97.9	100.0	-

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02 (3 SEC. GUSTS).



Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0924-02
Expiration Date 11/21/2012
By *[Signature]*
Miami Road Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W03-64SM

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)
SMITH MOUNTAIN IMPACT SYSTEMS
11305 N.W. 128 STREET
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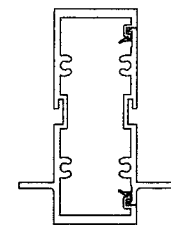
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	B	02.13.04		GLASS TYPE E ADDED
	C	09.26.05		NOTE ADDED

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dr. by: HAMID
chk. by:
drawing no. **W03-64**
sheet 2 of 8

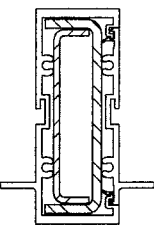
GLAZING OPTIONS

MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	100.0	120.0
66"		100.0	100.0	90.0	100.0
24"	78"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	90.0	100.0
66"		100.0	100.0	90.0	100.0
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	119.9
60"		99.9	99.9	90.0	100.0
66"		-	-	90.0	100.0
24"	90"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		98.7	98.7	100.0	120.0
54"		90.2	90.2	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		95.0	95.0	100.0	120.0
48"		84.9	84.9	90.0	100.0
54"		77.3	77.3	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	102"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		91.1	91.1	100.0	120.0
42"		79.5	79.5	100.0	120.0
48"		71.1	71.1	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0

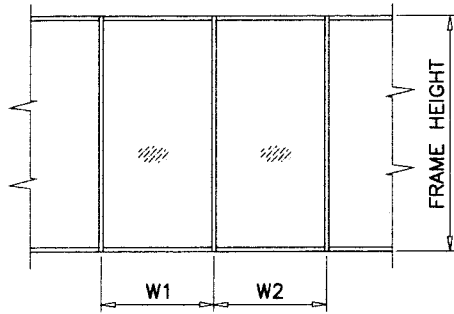
MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	108"	100.0	100.0	100.0	120.0
30"		90.3	90.3	100.0	120.0
36"		76.3	76.3	100.0	120.0
42"		66.5	66.5	100.0	119.9
48"		59.3	59.3	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	99.2
66"		-	-	90.0	92.5
24"	114"	94.7	94.7	100.0	120.0
30"		76.5	76.5	100.0	120.0
36"		64.6	64.6	100.0	120.0
42"		56.2	56.2	100.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	96.0
60"		-	-	88.0	88.0
24"	120"	81.1	81.1	100.0	120.0
30"		65.4	65.4	100.0	120.0
36"		55.1	55.1	100.0	120.0
42"		47.9	47.9	90.0	100.0
48"		-	-	90.0	95.3
54"		-	-	85.9	85.9
60"		-	-	78.7	78.7



MULLION
W/O REINFORCING



MULLION
W/ REINFORCING



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0924.02
Expiration Date 11/21/2012
By: *[Signature]*
Miami Trade Product Control
Division

JUN - 8 2007

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-64SM

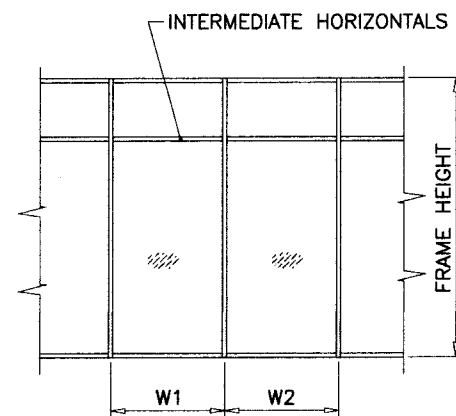
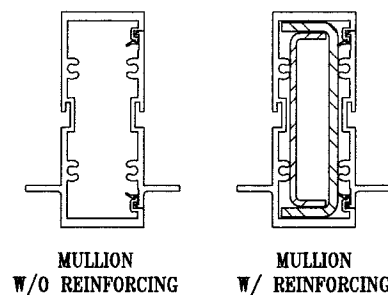
SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)
SMITH MOUNTAIN IMPACT SYSTEMS
11305 N.W. 128 STREET
MEDLEY, FL. 33178
TEL. (305) 888-6288 FAX. (305) 888-6289

Revisions:		by	description
no	date		
A	10.23.03		NO CHANGE THIS SHEET
B	02.13.04		JAMB CHART ADDED
C	09.26.05		CHART REV.

date: 08-11-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

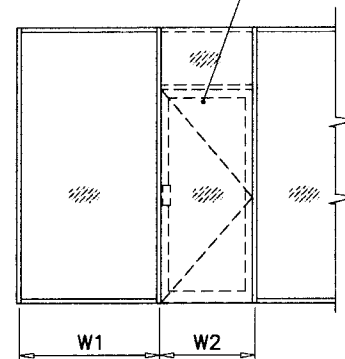
MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	100.0	120.0
66"		100.0	100.0	100.0	100.0
24"	78"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		97.2	97.2	90.0	100.0
66"		88.4	88.4	90.0	100.0
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		92.2	92.2	100.0	119.9
60"		83.0	83.0	90.0	100.0
66"		-	-	90.0	100.0
24"	90"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		89.5	89.5	100.0	120.0
54"		79.6	79.6	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		89.1	89.1	100.0	120.0
48"		78.0	78.0	90.0	100.0
54"		69.3	69.3	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	102"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		86.8	86.8	100.0	120.0
42"		74.4	74.4	100.0	120.0
48"		65.1	65.1	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	90.9

MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	108"	100.0	100.0	100.0	120.0
30"		87.7	87.7	100.0	120.0
36"		73.1	73.1	100.0	120.0
42"		62.7	62.7	100.0	119.9
48"		54.8	54.8	90.0	100.0
54"		-	-	90.0	99.1
60"		-	-	89.2	89.2
66"		-	-	81.1	81.1
24"	114"	93.2	93.2	100.0	120.0
30"		74.6	74.6	100.0	120.0
36"		62.2	62.2	100.0	120.0
42"		53.3	53.3	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	89.0	89.0
60"		-	-	80.1	80.1
24"	120"	79.9	79.9	100.0	120.0
30"		64.0	64.0	100.0	120.0
36"		53.3	53.3	100.0	120.0
42"		45.7	45.7	90.0	100.0
48"		-	-	90.0	90.3
54"		-	-	80.3	80.3
60"		-	-	72.3	72.3



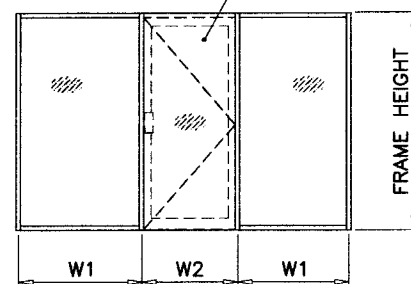
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

SMITH MOUNTAIN DOORS
SEE SEPARATE NOA



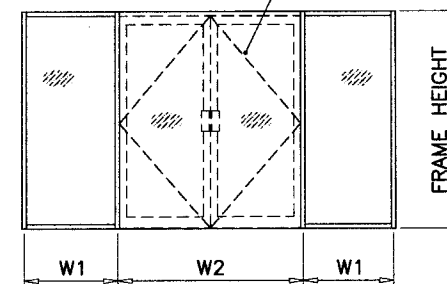
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

SMITH MOUNTAIN DOORS
SEE SEPARATE NOA



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

SMITH MOUNTAIN DOORS
SEE SEPARATE NOA



$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4}$$

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JUN - 8 2007

PRODUCT REVISED
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Acceptance No. 07-0924.02
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Revisions:	
no	date by description
1	C 09.26.05 SHEET ADDED

date: 08-11-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-64
sheet 4 of 8

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
24"	72"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		107.4	120.0	120.0	120.0	120.0
48"		94.0	120.0	120.0	120.0	120.0
54"		83.6	120.0	120.0	117.0	120.0
60"		75.2	112.8	120.0	105.3	120.0
66"		68.4	102.5	120.0	95.8	120.0
24"	78"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		115.7	120.0	120.0	120.0	120.0
42"		99.2	120.0	120.0	120.0	120.0
48"		86.8	120.0	120.0	120.0	120.0
54"		77.1	115.7	120.0	108.0	120.0
60"		69.4	104.1	120.0	97.2	120.0
66"		63.1	94.7	120.0	88.4	120.0
24"	84"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		107.4	120.0	120.0	120.0	120.0
42"		92.1	120.0	120.0	120.0	120.0
48"		80.6	120.0	120.0	112.9	120.0
54"		71.6	107.4	120.0	100.3	120.0
60"		64.5	96.7	120.0	90.3	120.0
66"		58.6	87.9	117.2	82.1	120.0
24"	90"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		100.3	120.0	120.0	120.0	120.0
42"		85.9	120.0	120.0	120.0	120.0
48"		75.2	112.8	120.0	105.3	120.0
54"		66.8	100.3	120.0	93.6	120.0
60"		60.2	90.2	120.0	84.3	120.0
66"		54.7	82.0	109.4	76.6	114.9
24"	96"	120.0	120.0	120.0	120.0	120.0
30"		112.8	120.0	120.0	120.0	120.0
36"		94.0	120.0	120.0	120.0	120.0
42"		80.6	120.0	120.0	112.9	120.0
48"		70.5	105.8	120.0	98.8	120.0
54"		62.7	94.0	120.0	87.8	120.0
60"		56.4	84.6	112.8	79.0	118.5
66"		51.3	76.9	102.5	71.8	107.7
24"	102"	120.0	120.0	120.0	120.0	120.0
30"		106.2	120.0	120.0	120.0	120.0
36"		88.5	120.0	120.0	120.0	120.0
42"		75.8	113.7	120.0	106.2	120.0
48"		66.4	99.5	120.0	92.9	120.0
54"		59.0	88.5	118.0	82.6	120.0
60"		53.1	79.6	106.2	74.4	111.5
66"		48.3	72.4	96.5	67.6	101.4

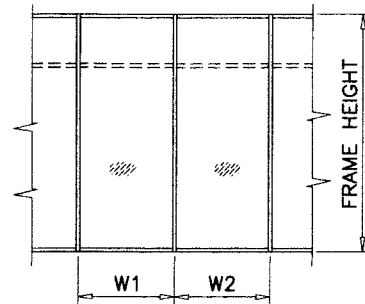
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
24"	108"	120.0	120.0	120.0	120.0	120.0
30"		100.3	120.0	120.0	120.0	120.0
36"		83.6	120.0	120.0	117.0	120.0
42"		71.6	107.4	120.0	100.3	120.0
48"		62.7	94.0	120.0	87.8	120.0
54"		55.7	83.6	111.4	78.0	117.0
60"		50.1	75.2	100.3	70.2	105.3
66"		45.6	68.4	91.2	63.8	95.8
24"	114"	118.7	120.0	120.0	120.0	120.0
30"		95.0	120.0	120.0	120.0	120.0
36"		79.2	118.7	120.0	110.9	120.0
42"		67.8	101.8	120.0	95.0	120.0
48"		59.4	89.1	118.7	83.2	120.0
54"		52.8	79.2	105.5	73.9	110.9
60"		47.5	71.2	95.0	66.5	99.8
24"	120"	112.8	120.0	120.0	120.0	120.0
30"		90.2	120.0	120.0	120.0	120.0
36"		75.2	112.8	120.0	105.3	120.0
42"		64.5	96.7	120.0	90.3	120.0
48"		56.4	84.6	112.8	79.0	118.5
54"		50.1	75.2	100.3	70.2	105.3
60"		45.1	67.7	90.2	63.2	94.8

ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

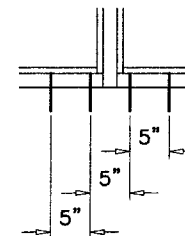
A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

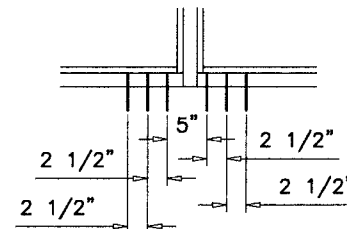
A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



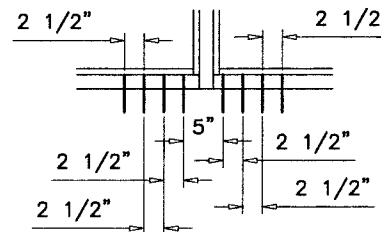
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



A2, B2



A3, B3



A4

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By *[Signature]*
Miami Dade Product Control
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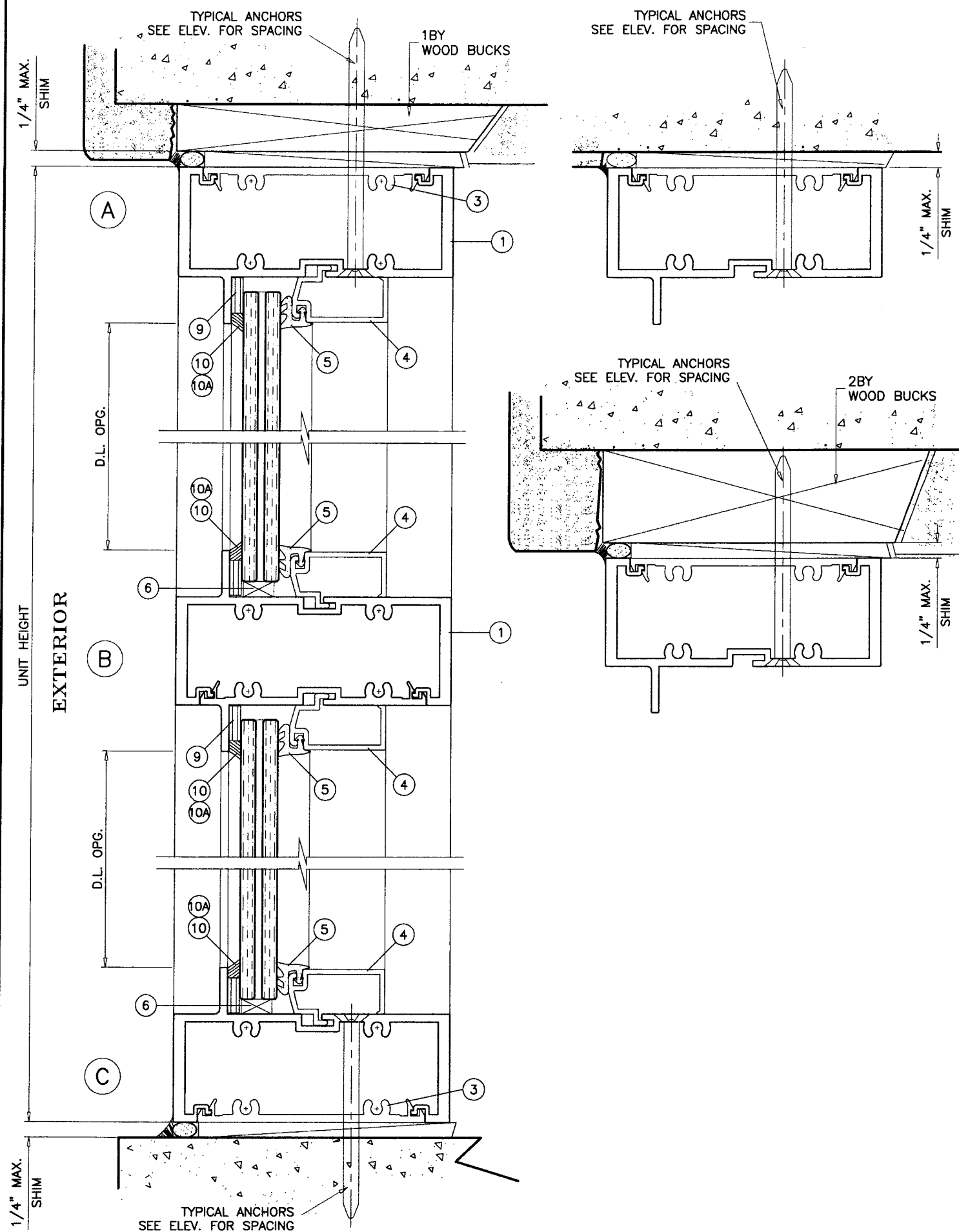
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C	09.26.05		CHART REV.

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scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-64
sheet 5 of 8



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

METAL
STRUCTURE

WOOD
STRUCTURES

WOOD BUCKS AND METAL STRUCTURES NOT BY SMITH MOUNTAIN
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A' - **1/4" DIA. TAPCONS**
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD
THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.
- TYPE 'B' - **1/4" DIA. TAPCONS**
DIRECTLY INTO MASONRY OR CONCRETE
1-1/4" MIN. EMBED INTO MASONRY OR CONCRETE
- TYPE 'B' - **#14" SMS OR 1/4" SELF DRILLING SCREWS**
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

- INTO CONCRETE AND MASONRY = 3" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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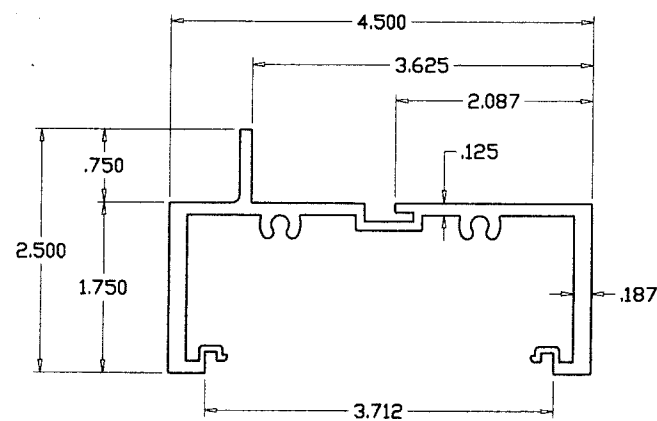
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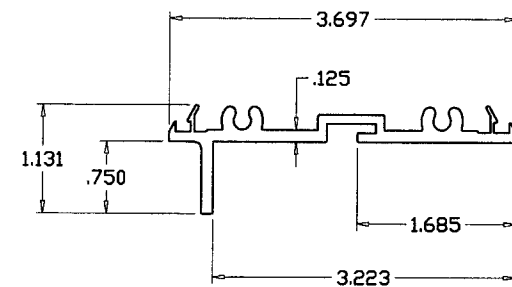
no	date	by	description
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C	09.26.05		ANCHORS REV.

date: 08-11-03
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dr. by: HAMID
chk. by:

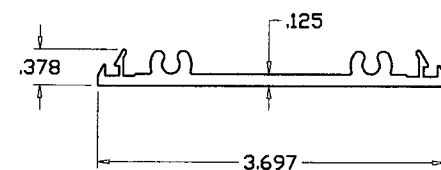
drawing no.
W03-64
sheet 6 of 8



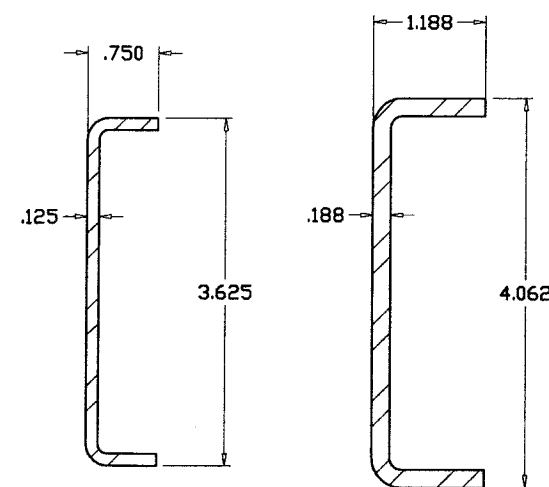
① FRAME HEAD/SILL/JAMB



② INTERMEDIATE SNAP-IN

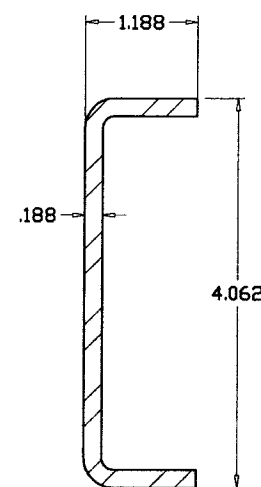


③ POCKET FILLER

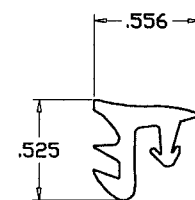


⑫

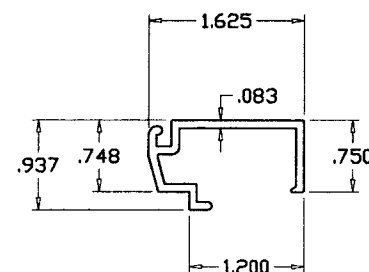
POCKET FILLER



⑪

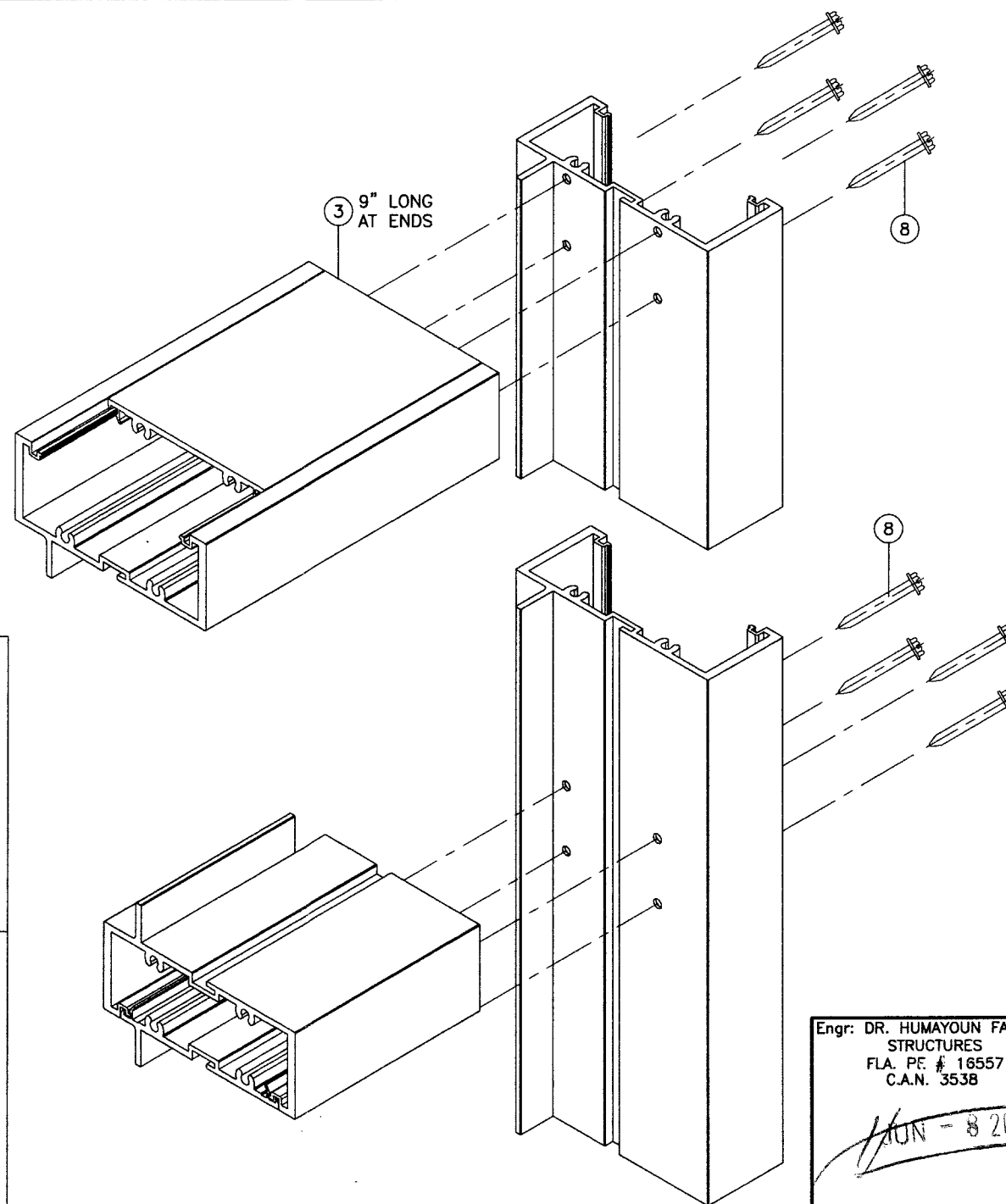


⑤ WEDGE-IN GASKET
SCALE 1:1



④ GLAZING STOP

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-001	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	SMITH MOUNTAIN
2	SMI-003	AS REQD.	INTERMEDIATE SNAP-IN	6063-T6	SMITH MOUNTAIN
3	SMI-004	AS REQD.	FLAT FILLER	6063-T6	SMITH MOUNTAIN
4	SMI-002	1/ CORNER	GLASS STOP	6063-T5	SMITH MOUNTAIN
5	SMI-G01	AS REQD.	GLAZING GASKET	EPDM 70 ±5	GLAZING RUBBER PRODUCTS
6	SMI-G03	AS REQD.	SETTING BLOCK (1/4" X 1/2" X 2" LONG)	EPDM 70 ±5	FRANK LOWE
7	1/4-20 X 2-1/4"	AS REQD.	MULLION SCREWS WITH NUT & WASHER	-	AT 9" FROM ENDS & 24" O.C.
8	#12 X 1-1/2"	2 PER CORNER	FRAME ASSEMBLY SCREWS	-	HEX H SELF DRILLING
9	SMI-G02	-	ADHESIVE FOAM TAPE (1/4" X 1/2")	-	FRANK LOWE/BUTNICK
10	995	-	GLAZING COMPOUND	-	DOW CORNING
10A	895	-	GLAZING COMPOUND	-	PECORA
11	-	-	REINFORCING CHANNEL	STEEL	1-3/16" X 4-1/16" X 1-3/16" X 3/16" THK.
12	-	-	REINFORCING CHANNEL	STEEL	3/4" X 3-5/8" X 3/4" X 1/8"



FRAME CORNER

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

Handwritten signature and date
AUG - 8 2007

PRODUCT REVISED
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Expiration Date **11/21/2012**

By *Handwritten signature*
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chk. by:

drawing no.
W03-64

sheet 8 of 8